ELECTRICAL GENIUS

KELLY OF MASSACHUSETTS, THE "ORIGINAL 60,000 VOLTMAN."

Served Apprenticeship Under Wizard Edison, But Is Little Known to the Public-Has Perfected Eighty Patents.

Boston.-Outside of men with knowledge of electrical affairs and achievements, it is not generally known that there is living in Pittsfield, Mass., an inventor and engineer who has won high distinction in developing the great electrical industry of this coun-

John Forrest Kelly, the "original 60,-960 voltman," is a friend of the wizard



Edison as I served an apprenticeship under him. He has perfected 80 patents, has received a degree of doctor of philosophy and his name is suggestive of progressive methods in electrical machinery and station detien.

John Forrest Kelly, son of Jeremiah nd Kate (Forrest) Kelly, was born ear Carrick-on-Suir, Ireland, March s, 1859. Both of his parents were achers, and several of his ancestors nd their collateral relatives were tably successful in various profesmal lines.

r. Kelly was educated in Stevens ute of Technology in Hoboken, and received the degree of B. L. 1878 and that of PhD. in 1881.

His first occupation in life was as esistant to Thomas A. Edison in enlo Park Inboratory, his work resting principally to the chemistry of are earths.

tate in 1879 he became electrical enoer of the New York branch of the stern Electrical Company. This

at the time when the telephone being generally introduced, and dynamos were first being apto telegraphic purposes. In the uction and installment of instrufor telegraphy and telephony such measuring instruments as hen known, Mr. Kelly received sugh training.

ist he became laboratory assist Edward Watson, then chief elecof an electric lighting company York, and with the exception year Mr. Kelly continued his tion with Mr. Watson until 886. Some of the most imporork, such as the research which in the discovery of high resistlloys of very low or even negamperature co-efficients, was subilly carried out by Mr. Kelly. discoveries were followed by

elly succeeding Mr. Watson as electrician of the United States ie Lighting Company, which in sussed to the Westinghouse inter-

January, 1892, Mr. Kelly joined her Berkshire county electrical instor, William Stanley of Great Hartredneing gton, in experimental work. The telephone rk done by Mr. Kelly in this con- and Yera Grdz.

nection gave great impetus to the alternating current business

Mr. Kelly's inventive work is partially represented by 80 patents. The art of building transformers and generators of alternating currents was revolutionized and Mr. Kelly and his colleagues were the first to put polyphase motors into actual commercial service. That success naturally led to long distance transmission work, and the first long-distance transmission plants in California (indeed the first in the world) were undertaken Mr. Kelly's recommendation and advice.

Most of Mr. Kelly's work has been of too technical a character to command popular appreciation-such, for instance, as that of improving the quality of steel. He was the first one to make an hysteretically stable steel, a natter of more importance than the comparatively spectacular transmission work.

Mr. Kelly is a member of the American Institute of Electrical Engineers, the American Electrochem society, the American Academy of Political Science, the American Economic association, American Statistical society, American Irish Historical society, Engineers' club, all of the United States, and also has membership in the Institution of Electrical Engineers, Society of Arts and Irish Texts society of England, and the Societe Internationale des Electriciens of France.

What is Heaven.

"If I could be out of physical pain," said a lifelong invalid, "I would ask no other heaven." "If I could be in a place where I might know that my husband never could be killed on the train!" cried one of the gentle "worriers" whose capacity for suffering is neither understood nor respected by the sanguine . . "If I could take my children to a world where every time I hear a croupy cough my heart did not stand still with terror," urged another, "that would be heaven for me." The mulatto girl who burst into joyful tears at first sight of a marble bust of herself, "because it was white," had a glimpse of her heaven before its time.

"Heaven must be like any other form of happiness, only 'more so,' said a thoughtful man. "And th "And the conditions of happiness are three: a clean conscience, something to do, and some one to love."—Elizabeth Stuart Phelps, in Harper's Weekly.

Need Thorough Cooking.

Raw pullet, raw veal and raw fish make the graveyard fat. This is hundreds of years old. A New York enterer, perhaps the most efficient in the city, said: "There are three imthe city, said: portant articles of food that must, under no circumstances, be served underdone. They are fish, chicken and veal. By chicken I mean all poultry of a domestic nature. All game birds should be rare. You want to be a litplenty of cooking."

Averted an Excuse.

"I netleed," remarked the piano stool to the parlor lamp, "that you started to smoke last night when Miss Yerner was entertaining Mr. Tim-

Yes," replied the lamp, "I saw she was just walting for an excuse to turn me down."

Foreign and Domestic.

His Wife (reading)-I see they had a bread riot in Spain recently.

Her Husband-Yes; and we'll have one at home soon if there isn't an improvement in your biscuits.-Chicago Daily Nown.

Annual Tallow Supply.

According to calculations by one of the best-informed candle manufac-turers in Chicago, over 130,000,000 pounds of tallow are used every year for candle-making in America.

New Telegraph Company Formed. A company has been formed for introducing wireless and long-distance service between Mexico

SANDY ATE THE "PARRITCH."

But He Had to Play Mean Trick on Himself to Do It.

An old gentleman in a village not tar from Glasgow breakfasted every morning on porridge, and, in order to save fuel, cooked a whole week's supply every Saturday. One Friday morning the stuff seemed very cold and very sait, and he felt he must abandon the struggle to eat it. But his stubborn nature forbade any such thought. So he fetched the whisky from the cupboard, poured out a glass and placed it before him on the table.

"Now, Sandy," said he, "if ye eat that parritch ye'll hae that whisky, an' If ye don't ye won't."

He stuck again at the last spoonful, but keeping his eye steadily on the glass of whisky, he made a bold, brave effort, and got it down. Then be slowly and carefully poured back the whisky into the bottle with a groad grin, as he said to himself: Sandy, my lad, I did ye that time, ye ould fule!"

Returned Him.

A man returned to his native village after having emigrated to Kansas some 20 years previous. He asked about different villagers known in the old days, and finally of the town drunkard of his time.

"Oh, he's dead," was the reply. "Well, well; dead and buried is he?"

"Nope; they didn't bury him."
"Didn't bury him!" exclaimed the former resident. Well, then, what did they do with him?"

"Oh, they just poured him back in the jug."

Good Work Has Slow Growth.

Bancroft spent 26 years on his history and Webster 36 on his dictionary. 'Tis the same with the great inventions. It took years of study and experiment to perfect them. Everything must have a foundation, otherwise it cannot stand, and the more solid the foundation the safer is the structure.

Through Struggle to Repose.

Struggle and anguish have their place in every genuine life, but they are the stages through which it advances to a strength which is full of repose.-Mable.

FRIENDS HELP.

St. Paul Park Incident.

"After drinking coffee for breakfast I always felt languid and dull, having no ambition to get to my morning duties. Then in about an hour or so a weak, nervous derangement of the heart and stomach would come over me with such force I would frequently have to lie down.

"At other times I had severe headaches; stomach finally became fected and digestion so impaired that I had serious chronic dyspepsia and constipation. A lady, for many years State President of the W. C. T. U. told me she had been greatly benefited by quitting coffee and using Postum Food Coffee; she was troubled for years with asthma. She said it was no cross to quit coffee when she found she could have as delicious an article as Postum.

"Another lady who had been trou-bled with chronic dyspepsia for years, found immediate relief on ceasing coffee and beginning Postum twice a She was wholly cored. another friend told me that Postum Food Coffee was a Godsend to her, her heart trouble having been relieved after leaving off coffee and taking on Postum.

"So many such cases came to my notice that I concluded coffee was the cause of my trouble and I quit and took up Postum. I am more than pleased to say that my days of trouble have disappeared. I am well and "There's a Reason." "The Road to Wellville," in pkgs.

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human interest,

THEY WERE RETURNED.



Amy (after the tiff)-I shall return you everything you have given me. George (cheerfully)-All right, then. Suppose we start at the kisses first.

It Cures While You Walk.

Allen's Foot-Ease is a certain cure for hot, sweating, callous, and swollen, aching feet. Sold by all Druggiats. Price 25c. Don't accept any substitute. Trial package FRISE, Address Allen S. Olmsted, Le Roy, N. Y.

The best teacher of duties that still lie dim to us is the practice of those we see and have at hand.-Geikle,

AND A WOMAN'S WORK



Nature and a woman's work combined have produced the grandest remedy for woman's ills that the world has ever known.

In the good old-fashioned days of our grandmothers they relied upon the roots and herbs of the field to cure disease and mitigate suffering.

The Indians on our Western Plains to-day can produce roots and herbs for every ailment, and cure diseases that baffle the most skilled physicians who have spent years in the study of drugs.

From the roots and herbs of the field Lydia E. Pinkham more than thirty years ago gave to the women of the world a remedy for their peculiar ills, more potent and effica-cious than any combination of drugs,

Lydia E. Pinkham's Vegetable Compound is now recognized as the standard remedy for woman's ills.

Mrs. Bertha Muff, of 515 N.C. St., Louisiana, Mo., writes:

"Complete restoration to health means so much to me that for the sake

means so much to me that for the sake of other suffering women I am willing to make my troubles public.

"For twelve years I had been suffering with the worst forms of female ills. During that time I had eleven different physicians without help. No tongue can tell what I suffered, and at times I could hardly walk. About two years can tell what I suffered, and at times I could hardly walk. About two years ago I wrote Mrs. Pinkham for advice. I followed it, and c-n truly say that Lydia E. Pinkham's Vegetable Compound and Mrs. Pinkham's advice restored health and strength. It is worth mountains of gold to suffering women." women.

What Lydia E. Pinkham's Vege-table Compound did for Mrs. Muff, it will do for other suffering women.

AGENTS wanted to sell the original \$1.00 hoz of Native Herbs for 10 cents. Beware of initiators. The ware of initiators. The mark cancellation case hour favor, cancelling a registered trade mark or "vor, cancelling a registered trade mark or "varive Herbs" which was based to my competitors, on the ground that they were not elitied to such trade-mark. For sample and terms and the Patent Office's decision, write

P. E. MELROSE, Golumbua, Ohio,